

INTERNATIONAL SEARCH REPORT

 Internat
 lication No
 PC7 03/00015

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H05H15/00 G21G1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H05H G21B G21G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VYSOTSKII V I ET AL: "Creating and using of superdense micro-beams of relativistic electrons" INTERNATIONAL SYMPOSIUM ON NEW VISIONS IN LASER-BEAM INTERACTIONS: FUNDAMENTAL PROBLEMS AND APPLICATIONS OF LASER-COMPTON SCATTERING, TOKYO, JAPAN, 11-15 OCT. 1999, vol. 455, no. 1, pages 123-127, XP004238304 Nuclear Instruments & Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment), 21 Nov. 2000, Elsevier, Netherlands ISSN: 0168-9002 cited in the application page 126, left-hand column, paragraph 1 - last paragraph --- -/--	1,6,7,9,16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

27 August 2003

Date of mailing of the international search report

17/09/2003

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INTERNATIONAL SEARCH REPORT

Intern

Application No

PC 93/00015

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI Section EI, Week 199609 Derwent Publications Ltd., London, GB; Class V05, AN 1996-086109 XP002252565 & SU 1 545 826 A (NUCLEAR RES INST), 20 July 1995 (1995-07-20) cited in the application abstract; figure</p>	1,9,16
A	<p>ADAMENKO S ET AL: "Effect of auto-focusing of the electron beam in the relativistic vacuum diode" PROCEEDINGS OF THE 1999 PARTICLE ACCELERATOR CONFERENCE (CAT. NO.99CH36366), PROCEEDINGS OF THE 1999 PARTICLE ACCELERATOR CONFERENCE, NEW YORK, NY, USA, 27 MARCH-2 APRIL 1999, pages 3271-3273 vol.5, XP002252564 1999, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-5573-3 cited in the application abstract; figure 1 page 3273, paragraph 4</p>	4,6
A	<p>DATABASE WPI Section EI, Week 198719 Derwent Publications Ltd., London, GB; Class S03, AN 1987-133993 XP002252566 & SU 1 215 597 A (BATSANOV S S), 30 September 1986 (1986-09-30) abstract; figure</p>	1,9
A	<p>ASTRELIN V T ET AL: "Calculations on the formation and transport of intense electron beams" ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ, NOV. 1988, USSR, vol. 58, no. 11, pages 2168-2173, XP008021184 ISSN: 0044-4642 page 1316, left-hand column, paragraph 1 page 1319, left-hand column, paragraph 1</p>	1,9
A	<p>ASTRELIN V T ET AL: "PERFORMANCE OF A MAGNETRON DIODE WITH A MULTITIP EXPLOSIVE-EMISSION CATHODE" SOVIET PHYSICS TECHNICAL PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 33, no. 3, 1 March 1988 (1988-03-01), pages 351-354, XP000048033</p>	

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P n 3/00015

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SU 1545826	A	20-07-1995	SU	1545826 A1	20-07-1995
SU 1215597	A	30-09-1986	SU	1215597 A1	30-09-1986